

IN THE ABSTRACT

Please delete the current Abstract in its entirety and  
substitute therefor the enclosed New Abstract.

NEW ABSTRACT

A high pressure sodium lamp has a nominal power  $P_{la}$  and an internal vessel diameter  $D_{int}$ , which encloses a discharge space that includes a pair of electrodes at a mutual electrode distance  $ed$  and a filling of Na-amalgam with a sodium mol fraction (smf). The discharge tube has a ratio  $ed/D_{int}$  of at most 7, such as between about 5.5 and 4.0.